2030 Eight-Lane

LEGEND

- Location
- ♦ PROBLEM
- I IMPACT
- ✓ SOLUTION

Avondale Way Interchange ◆ Heavy arterial congestion approaching SR 520 (AM

peak).

I Restricts access to freeway ramps. 11% (AM peak) of traffic destined to SR 520 not served.

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✓ Additional local study needed.

SR 520 Westbound (at Redmond Way)

- ◆ Queue forms at Redmond Way interchange (AM peak)
- I Extends east to Avondale with a duration of 2.5 hours.
- ✓ (See Redmond Way Interchange).

Redmond Way Interchange

- Westbound on ramps cause queuing on local and freeway systems (AM peak).
- I Restricts access to and from freeway ramps. 47% (AM peak) and 8% (PM peak) of traffic destined to SR 520 not served.
- ✓ Solution

West Lake

ish Parkway

- Heavy congestion on Redmond Way (PM peak).
- I Eastbound off ramp volume not served at intersection with Redmond Way queues onto freeway.

West Lake Sammamish Interchange

- Heavy congestion occurs on West Lake Sammamish and Leary Way (AM and PM peak periods).
- Restricts access to freeway ramps. 9% (AM peak) and 48% (PM peak) of traffic destined to SR 520 not served.
- Eastbound off ramp demand not served at intersection with West Lake Sammamish (PM peak period).

 Queuing extends from ramp onto freeway.
- Additional local study needed.

SR 520 Eastbound (at Redmond Way/West Lake Sammamish)

- ◆ Queue forms on freeway from Redmond Way and West Lake Sammamish local congestion (PM peak).
- Extends back to the I-405 interchange for a duration of 4+ hours
- (See Redmond Way and West Lake Sammamish Interchanges)

NE 51st Street Interchange

- Heavy congestion due to both ramp meter and freeway queue (PM peak).
- Queue extends to the arterial system. Restricts access to freeway ramps. 48% (PM peak) of traffic destined to SR 520 not served.
- ✓ Additional study needed.

NE 40th Street Interchange

Bel-Red Road

- Heavy congestion on NE 40th Street (AM and PM peak).
- I Queues extend through the eastbound off ramp and onto the freeway (AM peak).
- I Restricts access to freeway ramps. 25% (PM peak) of traffic destined to SR 520 not served.

✓ Additional local study needed.

SR 520 Eastbound (at NE 40th Street)

· 特定是更加的原始性的 2000年的 2000年度

- Queue forms on freeway from NE 40th Street local congestion (AM peak).
- Extends west to 148th Avenue NE on ramp for a duration of 3+ hours.

148th Avenue NE Interchange Arterial congestion approaching interchange (AM and PM peak periods). I Restricts access to freeway ramps. 18% (AM peak) and 28% (PM peak) of on ramp traffic not served. I Westbound off ramp demand not served at intersection with 148th Avenue NE (PM peak). Queuing extends from ramp onto freeway occasionally. ✓ Additional local study needed. ↑ Traffic demand on eastbound on ramp not served due to meter (AM and PM peak periods). I Eastbound on ramp queues into local intersection. ✓ Additional lane on ramp may serve demand.

SR 520 Eastbound (at 148th Avenue NE)

- ♦ A queue begins at drop lane from the freeway to the eastbound off ramp (to southbound 148th Avenue NE).
- I General freeway congestion in the vicinity of the 148th Avenue NE interchange (AM peak).
- Solution